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1636

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/811,842

DATE: 05/16/2002

TIME: 13:04:28

Input Set : A:\PTO.VSK.txt

Output Set : N:\CRF3\05162002\I811842.raw

3 <110> APPLICANT: Link, Charles J.  
 4 Seregina, Tagiana  
 5 Vahanian, Nicholas N.  
 6 Higginbotham, James N.  
 7 Ramsey, Jay W.  
 8 Powers, Bradley J.  
 9 Smukla, Sachet A.  
 10 Young, Won Bin  
 12 <120> TITLE OF INVENTION: Methods and Compositions for Elucidating Protein Expression

Profiles in

13 Cells  
 15 <130> FILE REFERENCE: P04465US1  
 17 <140> CURRENT APPLICATION NUMBER: 09/811,842  
 18 <141> CURRENT FILING DATE: 2001-03-19  
 20 <160> NUMBER OF SEQ ID NOS: 2  
 22 <170> SOFTWARE: PatentIn version 3.1  
 24 <210> SEQ ID NO: 1  
 25 <211> LENGTH: 375  
 26 <212> TYPE: DNA  
 27 <213> ORGANISM: Mus musculus  
 29 <220> FEATURE:  
 30 <223> OTHER INFORMATION: Sequence trapped demonstrates 99% homology to a high mobility  
 31 group protein, HMGI-C after a BLAST search against mouse EST  
 32 database in Genbank.  
 34 <220> FEATURE:  
 35 <221> NAME/KEY: misc\_feature  
 36 <222> LOCATION: (3)..(4)  
 37 <223> OTHER INFORMATION: n=unknown  
 40 <220> FEATURE:  
 41 <221> NAME/KEY: misc\_feature  
 42 <223> OTHER INFORMATION: n=unknown  
 45 <220> FEATURE:  
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 47 <223> OTHER INFORMATION: n=unknown  
 50 <220> FEATURE:  
 51 <221> NAME/KEY: misc\_feature  
 52 <222> LOCATION: (358)..(374)  
 53 <223> OTHER INFORMATION: n=unknown  
 56 <400> SEQUENCE: 1

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59	ttggcggttt ttctccaatg gtctctgctt tctctgggc tgetttagag ggcctcttgt	120
61	ttttgctgcc ttgggtctt cctctgggc tcttaggaga ggcctcacag gttgctctt	180
63	gctgctgctt cctgggtcgg ccgcgtctc gcttctgtg caccggggcg gcaggttgc	240
65	cctgggctga tgtggacggc tgcccggcgc cctcaccgcg tgcgtctcgc ctgcctcccg	300

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```

W--> 67 ccgccgctac cactgectct cttttttttt tttttttttt tttttgaaan ccccggnnn 360
W--> 69 nnnnnnnnnn nnnnc 375
72 <210> SEQ ID NO: 2
73 <211> LENGTH: 333
74 <212> TYPE: DNA
75 <213> ORGANISM: Mus musculus
77 <220> FEATURE:
78 <223> OTHER INFORMATION: Gene trapping of an exon with unknown biological function;

the
79     sequenced is a 95% match to a NCI_CGAP_Li 9 Mus musculus cDNA
80     clones, BF539247.1/BF533319.1/...etc., after BLAST searching against
81     the EST database in genebank.
83 <220> FEATURE:
84 <221> NAME/KEY: misc_feature
85 <223> OTHER INFORMATION: n=unknown
88 <220> FEATURE:
89 <221> NAME/KEY: misc_feature
90 <223> OTHER INFORMATION: n=unknown
93 <220> FEATURE:
94 <221> NAME/KEY: misc_feature
95 <223> OTHER INFORMATION: n=unknown
98 <220> FEATURE:
99 <221> NAME/KEY: misc_feature
100 <223> OTHER INFORMATION: n=unknown
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120 <223> OTHER INFORMATION: n=unknown
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133 <220> FEATURE:
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138 <220> FEATURE:
139 <221> NAME/KEY: misc_feature
140 <223> OTHER INFORMATION: n=unknown
143 <220> FEATURE:
144 <221> NAME/KEY: misc_feature

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145 <223> OTHER INFORMATION: n=unknown  
148 <220> FEATURE:  
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161 <223> OTHER INFORMATION: n=unknown  
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166 <222> LOCATION: (292)..(293)  
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176 <221> NAME/KEY: misc\_feature  
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202 <221> NAME/KEY: misc\_feature  
203 <222> LOCATION: (326)..(327)  
204 <223> OTHER INFORMATION: n=unknown  
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209 <223> OTHER INFORMATION: n=unknown  
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213 <221> NAME/KEY: misc\_feature  
214 <223> OTHER INFORMATION: n=unknown  
217 <220> FEATURE:  
218 <221> NAME/KEY: misc\_feature  
219 <223> OTHER INFORMATION: n=unknown  
222 <400> SEQUENCE: 2  
W--> 223 tengcgacca nctcctcgcc cttgctcacc atgggatgct cccggtggtg ggtcgggtggt 60

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W--> 225	ccctgggcag	gggtctccaa	atcccggaag	agccccaaa	tgaaanacc	ccgtctggg	120
W--> 227	tagtcaatca	ctcagaggag	accctcccaa	ggaacagcga	gaccactntt	cggatgcana	180
W--> 229	cagcaagagg	ctttattggg	aatnecggga	cccgggcgac	ncantctatc	ngaagactgg	240
W--> 231	cgttattttt	tttntttttt	ttttttgaat	tncnngggac	ancennctna	gnntanctnc	300
W--> 233	nctntnnnct	nccctcetta	cttctnntnt	ntn			333

RAW SEQUENCE LISTING ERROR SUMMARY  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 3,4,8,350,358,359,360,361,362,363,364,365,366,367,368,369  
Seq#:1; N Pos. 370,371,372,373,374  
Seq#:2; N Pos. 3,11,106,116,168,179,204,221,224,231,254,272,275,282,285,286  
Seq#:2; N Pos. 289,292,293,296,299,301,304,306,307,308,311,326,327,329,331  
Seq#:2; N Pos. 333

## VERIFICATION SUMMARY

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Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\05162002\I811842.raw

L:57 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
L:67 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:300  
L:69 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:360  
L:223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
L:225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:60  
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:120  
L:229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:180  
L:231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:240  
L:233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:300